



May 24, 2019

Todd Dumais
Town Planner, Town of West Hartford
Department of Community Development: Planning & Zoning Division
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West Hartford, CT 06107

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**RE: Stormwater Management and Wetland Impact Summary
West Hartford Fellowship Housing Redevelopment
10-60 Starkel Road**

Dear Mr. Dumais,

BSC Group (BSC) is pleased to submit this letter summarizing the stormwater management facilities for the West Hartford Fellowship Housing Redevelopment and the anticipated disturbance within the regulatory Upland Review Area.

Description

The project is proposing a redevelopment of an existing elderly housing facility located at 10-60 Starkel Road in West Hartford. As part of this redevelopment, the existing apartment units and parking lot will be demolished and six new buildings to be constructed. The project includes a new parking lot/driveway, site drainage system, and new site utilities. A portion of the site on the eastern edge of the property is located within the Upland Review Area. There are no wetlands or watercourses located within the site boundaries.

Stormwater Management

Stormwater management will be addressed with a series of yard drains, catch basins, and drainage piping that will collect and convey stormwater to one of four underground detention systems. The proposed detention systems will be elliptical, open-bottomed plastic galleries set on 12 inches of stone. The detention systems are designed to mitigate the peak discharge from the site during all design storms for their respective catchment areas. Prior to entering the detention systems, all stormwater runoff from paved parking areas will be routed through a hydrodynamic separator to provide water quality treatment.

Impact to Upland Review Area

There will be approximately .37 ac of permanent disturbance within the 150-foot regulatory Upland Review Area. The area of permanent disturbance will be predominately parking area with some roof area that will be contained, treated, and discharged to the proposed site drainage system. This system ultimately discharges to the King Phillip Drive drainage system and will have no impact on the upland review area or the associated wetland. Those areas that are not contained to the drainage system will be grassed areas that will sheet flow offsite. The runoff will be clean and will have no impact to the wetlands. During construction the area will be fully contained within perimeter erosion controls. A temporary diversion swale

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will be installed to direct water away from the upland review area to a sediment trap, which will discharge to the north, aware from the wetland area to the southeast. Also, the project is proposing a net decrease in runoff from the site to the northeast, including the area within the Upland Review Area.

Conclusion

The project is proposing to provide water quality treatment in accordance with State and Local requirements, mitigate peak discharge from the site during all design storms, and provide a storm drainage pipe network sufficiently sized to accommodate the 10-year design storm. In our professional opinion, there are no anticipated negative impacts to any wetlands or watercourses as part of this project.

Should you have any questions, please feel free to contact me at fvacca@bscgroup.com or at my office at 860-652-8227 ex. 4549.

Respectfully Submitted,
BSC Group – Connecticut, Inc.

A handwritten signature in black ink, appearing to read 'Francis J. Vacca', with a long horizontal flourish extending to the right.

Francis J. Vacca, P.E.
Project Manager – Associate